LIST OF CONTENTS

VOLUME 41

NUMBER 1

B. Gim, B. L. Deuermeyer and **G. L. Curry** — 1 Optimal scheduling of a single anaerobic digester with multiple feedstocks

Q. J. Nottingham, D. F. Cook and **C. W. Zobel** — 17 Visualization of multivariate data with radial plots using SAS

B. Jeong, S.-W. Kim and **Y.-J. Lee** — 37 An assembly scheduler for TFT LCD manufacturing

C.-C. Hsieh — 59 B-spline wavelet-based motion smoothing

E. A. Veral — 77 Computer simulation of due-date setting in multi-machine job shops

H.-S. Jang, H. Hwang and **K.-P. Jun** — 95 Modeling and analysis of two-location algorithm with implicit registration in CDMA personal communication network

NUMBER 2

M. Khouja — 109 The evaluation of drop shipping option for e-commerce retailers

J. J. Lyu Jr. and **M.-C. Lee** — 127 A parallel algorithm for the dynamic lot-sizing problem

A. Zakarian and **A. Kusiak** — 135 Process analysis and reengineering

J. Schaller — 151 A new lower bound for the flow shop group scheduling problem

R. D. Metters, V. A. Vargas and **D. C. Whybark** — 163 An investigation of the sensitivity of DEA to data errors

J. C. Ho and **Y.-L. Chang** — 173 An integrated MRP and JIT framework

S. Dowlatshahi — 187 The role of product safety and liability in concurrent engineering

I. Castillo and **C. A. Roberts** — 211 Real-time control/scheduling for multi-purpose batch plants

B. Adenso-Ḍaz, S. Lozano, J. Racero and **F. Guerrero** — 227 Machine cell formation in generalized group technology

NUMBER 3

T.-C. Kuo, S. H. Huang and **H.-C. Zhang** — 241 Design for manufacture and design for 'X': concepts, applications, and perspectives

H. T. Papadopoulos and **M. I. Vidalis** — 261 A heuristic algorithm for the buffer allocation in unreliable unbalanced production lines

Z. Jiang, M. J. Zuo, R. Y. K. Fung and **P. Y. L. Tu** — **279** Colored Petri Nets with changeable structures (CPN-CS) and their applications in modeling one-of-a-kind production (OKP) systems

M. D. Rossetti and **F. Selandari** — **309** Multi-objective analysis of hospital delivery systems

P. R. McMullen — **335** An efficient frontier approach to addressing JIT sequencing problems with setups via search heuristics

NUMBER 4

P. Shahabudeen, R. Gopinath and **K. Krishnaiah** — **355** Design of bi-criteria kanban system using simulated annealing technique

Y. Wu and **E. Appleton** — **371** The optimisation of block layout and aisle structure by a genetic algorithm

F. Y. Partovi and **M. Anandarajan** — **389** Classifying inventory using an artificial neural network approach

J. Bukchin, E. M. Dar-El and **J. Rubinovitz** — **405** Mixed model assembly line design in a make-to-order environment

D. W. Coit and **A. E. Smith** — **423** Genetic algorithm to maximize a lower-bound for system time-to-failure with uncertain component Weibull parameters

A. Khan and **A. J. Day** — **441** A Knowledge Based Design Methodology for manufacturing assembly lines